

FIG. 1

FIG. 2A

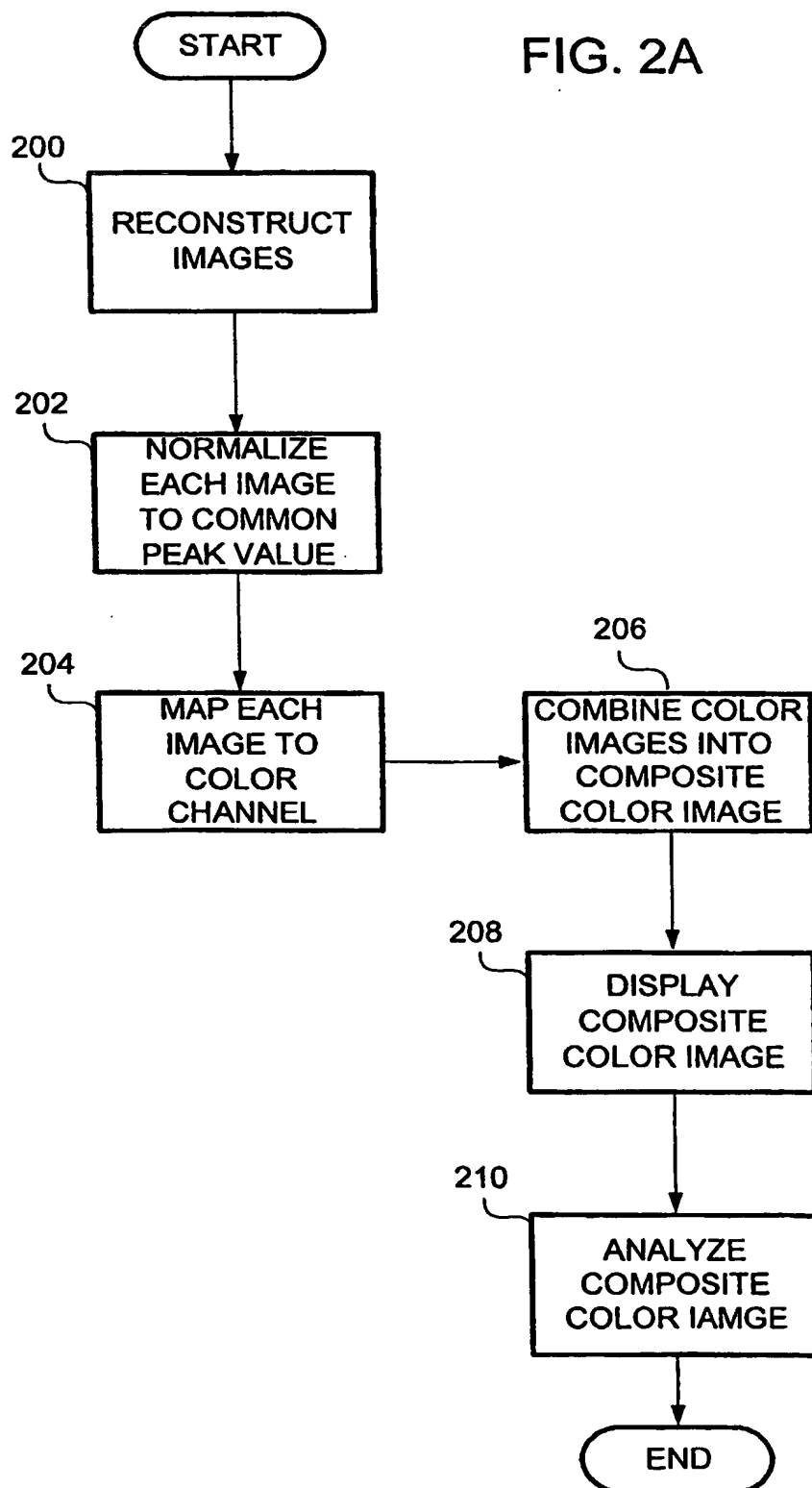
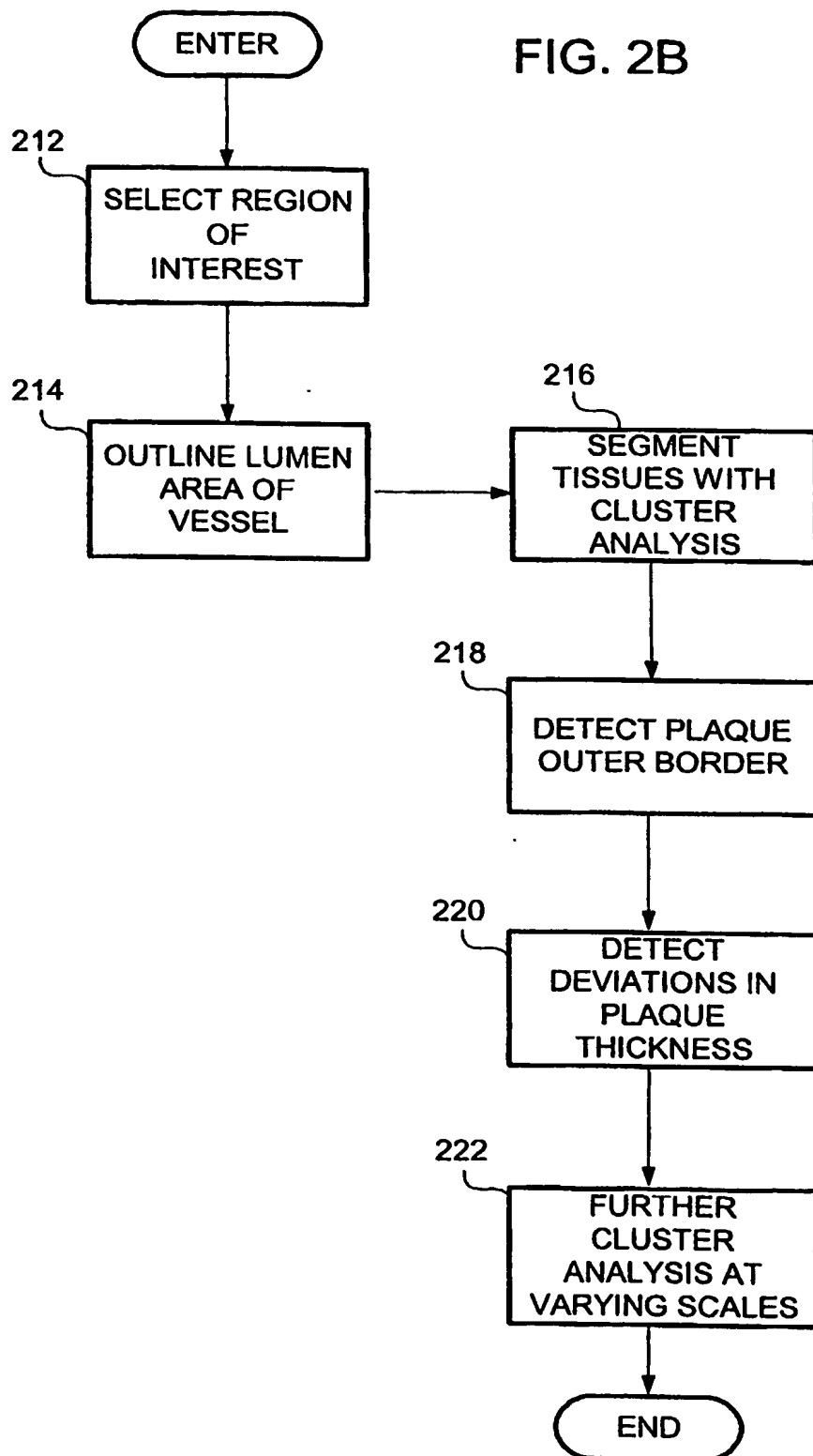


FIG. 2B



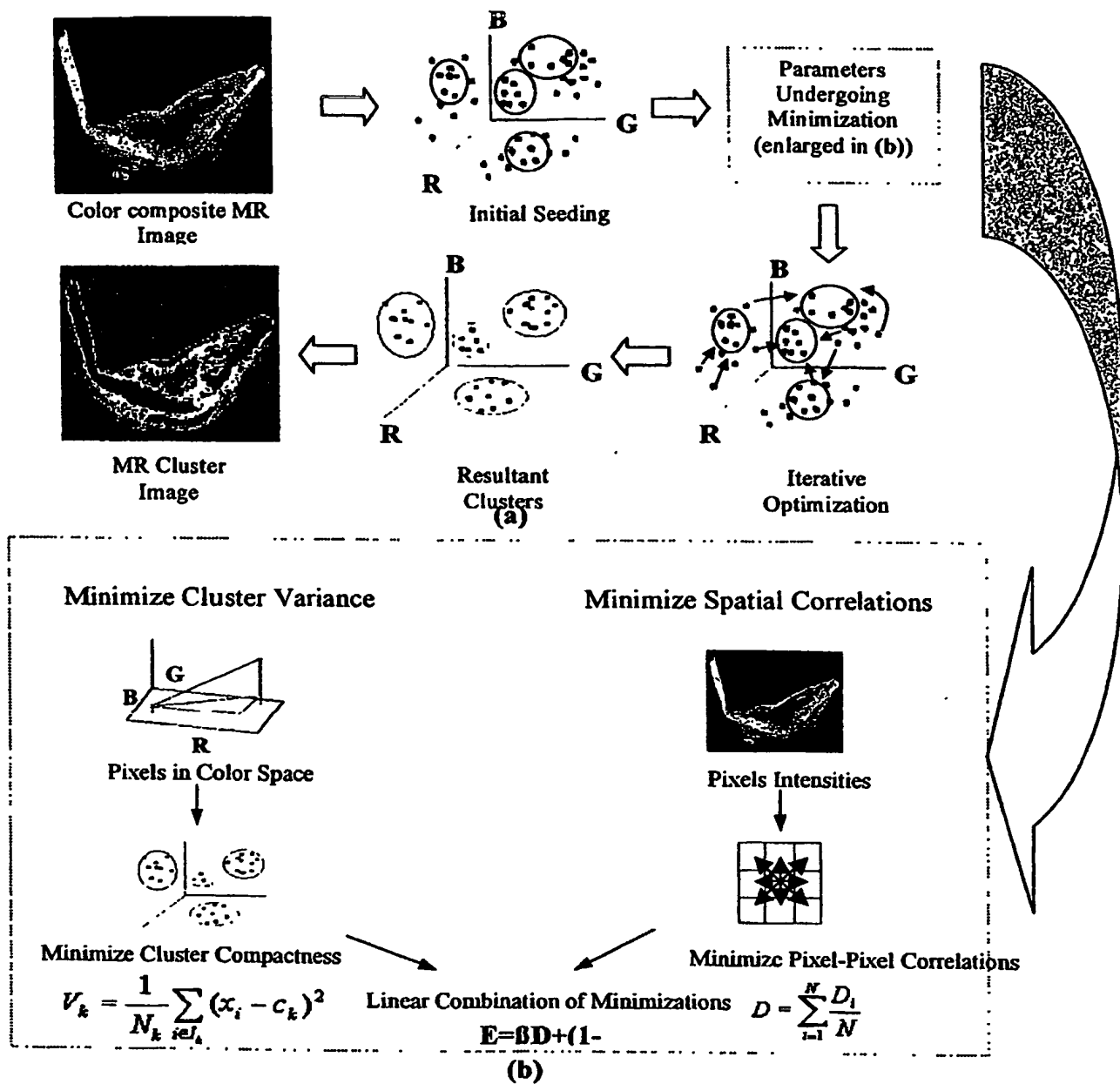


FIG. 3

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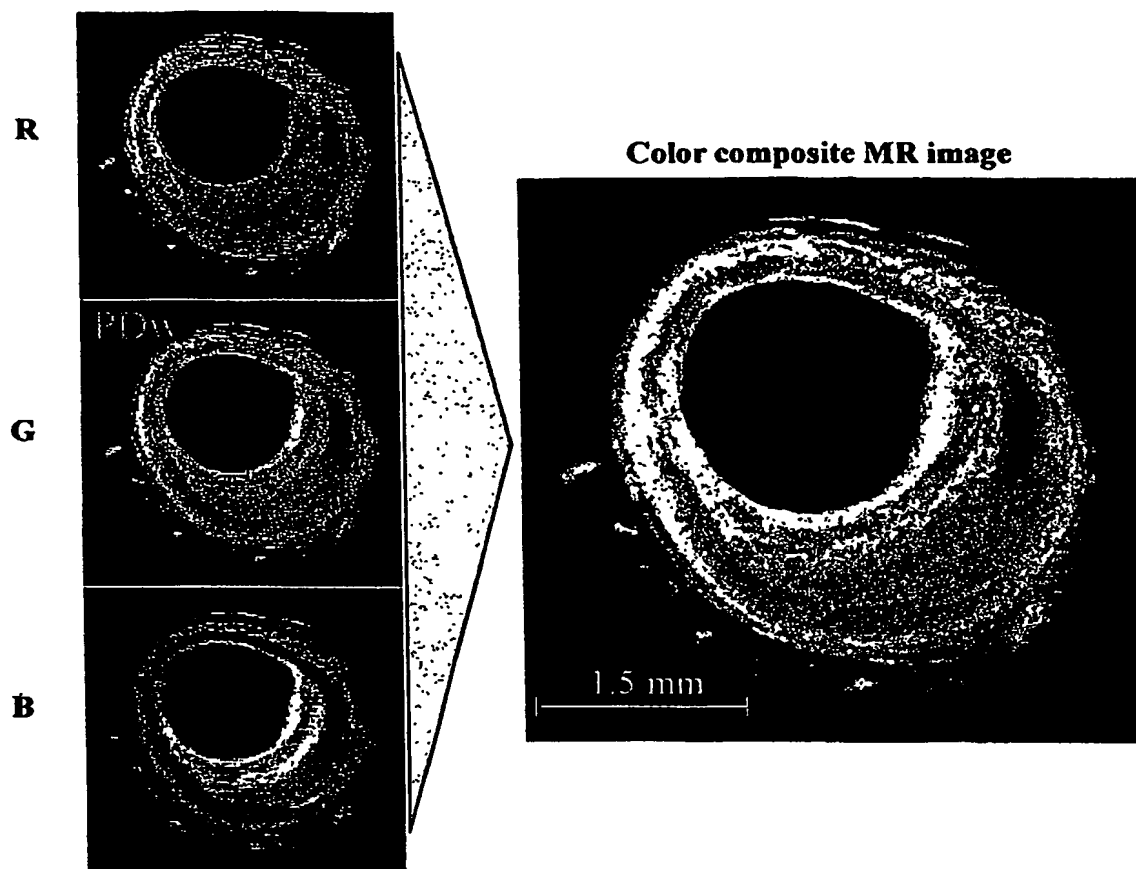
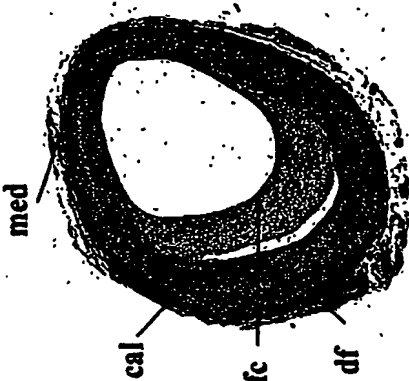
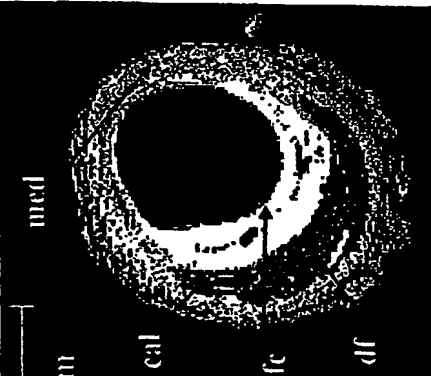


FIG. 4

CME Pathology



MR cluster image



Color Composite MR image

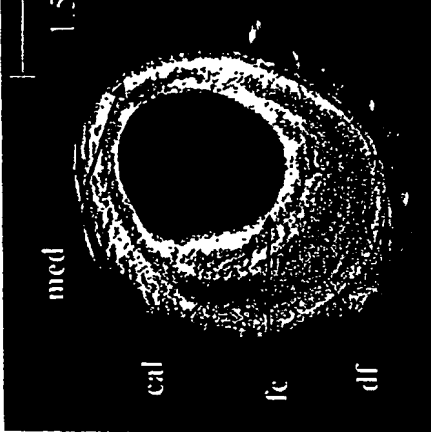
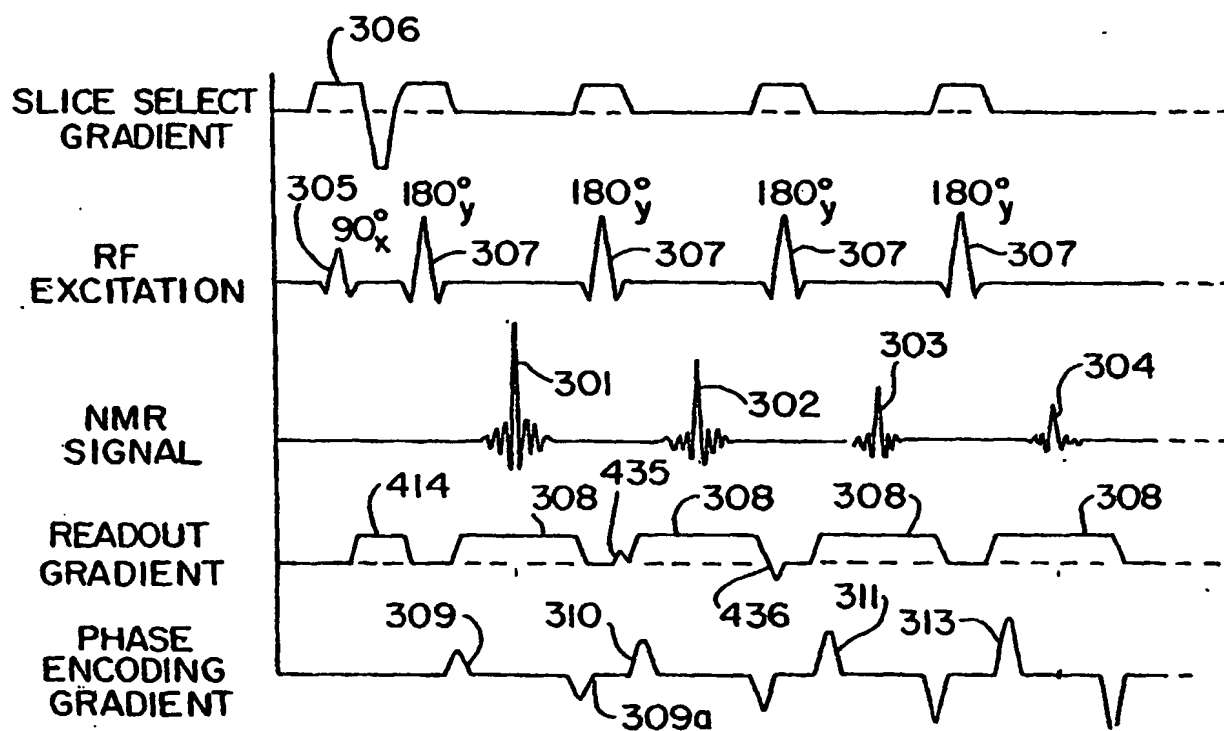
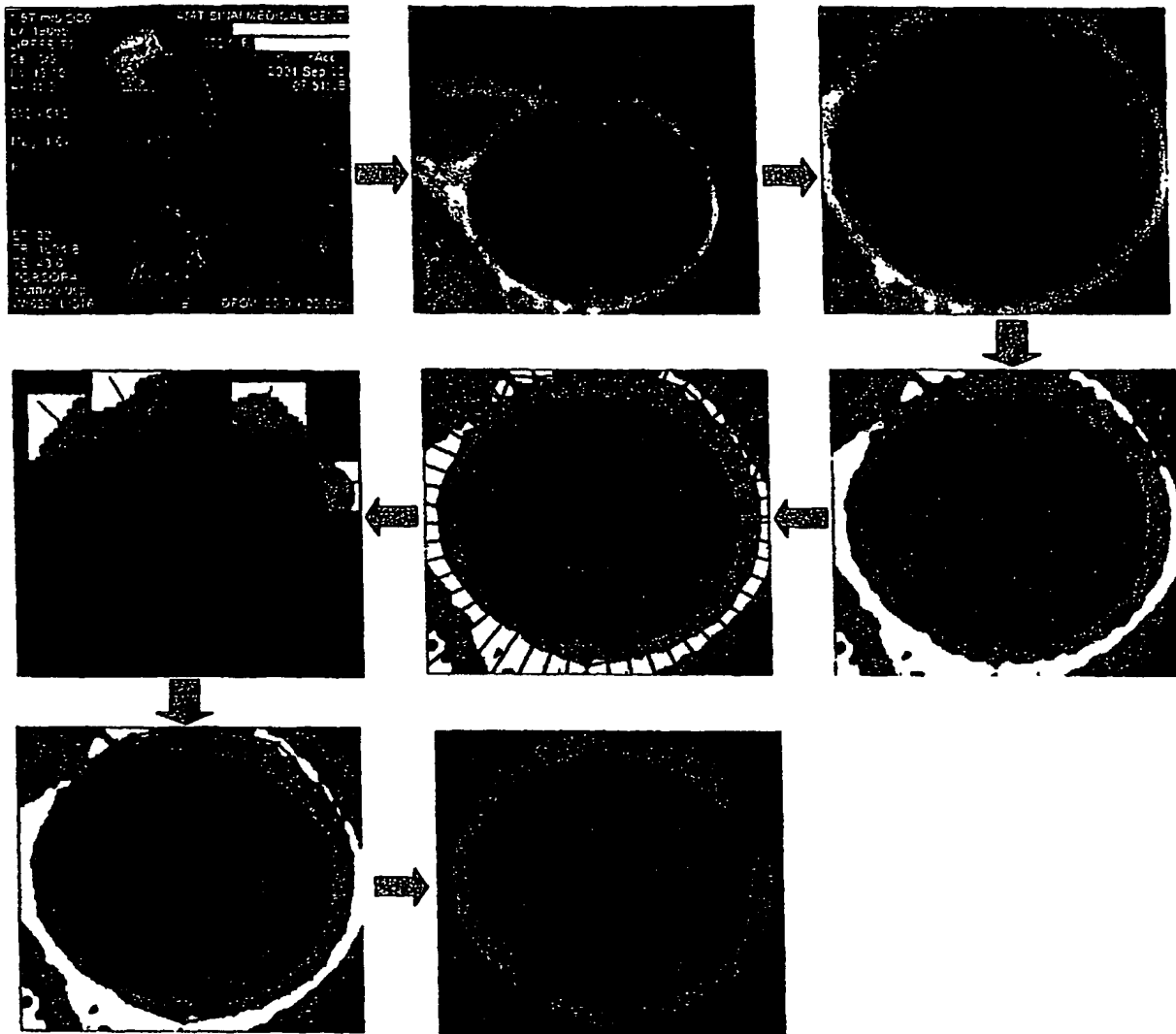


FIG. 5

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FIG. 6





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FIG. 7

FIG. 8

| Tissue Type | Loose Fibrous, N=11 | | | Media, N=22 | | | Fibro-cellular, N=20 | | | Lipid/necrotic core, N=7 | | | Thrombus, N=3 | | | Dense fibrous, N=11 | | |
|--|------------------------|------|-----|----------------|------|------|-------------------------|------|------|--------------------------------|------|------|------------------|------|-----|------------------------|------|------|
| | r | bias | lim | r | bias | lim | r | bias | lim | r | bias | lim | r | bias | lim | r | bias | lim |
| Comparison Type | | | | | | | | | | | | | | | | | | |
| Histopathology Tracing & Cluster-analyzed MRI | .78 | 2% | ±8% | .84 | 0% | ±8% | .89 | 0% | ±6% | .76 | 2% | ±6% | .98 | 3% | ±3% | .83 | 1% | ±5% |
| Histopathology Tracing & Cluster-analyzed MRI Reduced resolution | .69 | 3% | ±9% | .61 | 2% | ±11% | .55 | 5% | ±13% | .77 | 0% | ±6% | .85 | 4% | ±4% | .74 | 3% | ±9% |
| Histopathology Tracing & Color-space Matching | .58 | 4% | ±9% | .51 | 4% | ±14% | .40 | 2% | ±9% | .37 | 6% | ±11% | .60 | 4% | ±7% | .23 | 2% | ±11% |